REMARKS

I.   Status of the Claims

Claims 1-48 are currently pending in this application. Claims 32-34 and 40 are allowed. Applicants wish to thank the Examiner for the indication of allowable subject matter in regard to claims 4, 6, 10-11, 14, 17, 26-27, 29, 31 and 46.

By this Amendment, claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48 have been amended. No new matter has been introduced by this Amendment. Entry and consideration of this Amendment are respectfully requested. Upon entry of this Amendment, claims 1-48 would be pending.

To assist the Examiner, attached to this Amendment is an "Attachment" that shows the amendments made to the claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48 by bracketing the text that has been deleted and underlining the text that has been added.

II.   Rejections under 35 U.S.C. §103

Claims 1-3, 5, 7-9, 18-19, 22-25, 28, 30 and 35-39 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami et al. (U.S. Patent Re. 35,104) in view of Odaka. (U.S. Patent 5,172,380). Claims 22-25, 35-39 and 41 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami, et al. (U.S. Patent Re. 35,104) in view of Engelbrecht et al. (U.S. Patent 5,912,917). Claims 12-13, 15-16, 20-21, 42-45 and 47-48 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami, et al. (U.S. Patent Re. 35,104) in view of Hunsinger et al. (U.S. Patent 5,956,624). Applicants respectfully traverse the rejection of these claims, for the reasons set forth below.

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Independent claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48, as amended, are directed to an information processing arrangement in which the information to be distributed is of a Markup language format. The cited references, individually or in combination, do not disclose or suggest at least such an arrangement. Accordingly, claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48 and their dependent claims are believed to be patentably distinguishable over the cited references. Reconsideration and withdrawal of the rejection of these claims are respectfully requested.

III.   Objection to Claims 4, 6, 10-11, 14, 17, 26-27, 29, 31 and 46

The Examiner has objected to claims 4, 6, 10-11, 14, 17, 29, 31 and 46 as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claims and any intervening claims. As base claims 1, 8, 14, 15, 22, 30 and 42 are believed to be allowable, reconsideration and withdrawal of the objection of these claims are respectfully requested.
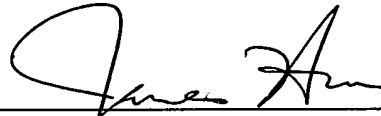
CONCLUSION

Based on the foregoing remarks, Applicants respectfully request reconsideration and withdrawal of the rejection of the claims and allowance of this application.

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AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may

be required for consideration of this Amendment to Deposit Account No. 13-4503, Order No.

1232-4450. A DUPLICATE OF THIS DOCUMENT IS ATTACHED.

In the event that an extension of time is required, or which may be required in

addition to that requested in a petition for an extension of time, the Commissioner is requested to

grant a petition for that extension of time which is required to make this response timely and is

hereby authorized to charge any fee for such an extension of time or credit any overpayment for

an extension of time to Deposit Account No. 13-4503, Order No. 1232-4450. A DUPLICATE

OF THIS DOCUMENT IS ATTACHED.

| | Respectfully submitted, |
| | MORGAN & FINNEGAN |

Dated: February 19, 2003   By: _____

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): SUGATA et al.

Serial No.:   09/108,357   Group Art Unit: 2665

Filed: July 1, 1998   Examiner: T. NGUYEN

For: INFORMATION PROCESSING APPARATUS FOR AND METHOD OF TRANSMITTING AND/OR RECEIVING BROADCAST SIGNAL

ATTACHMENT

Amendments made to the claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48 herein are indicated in this attachment by bracketing the text that has been deleted and underlining the text that has been added.

IN THE CLAIMS:

Please note the following changes to claims 1, 8, 12, 15, 18-22, 30, 35, 38, 39, 41, 42 and 48:

1.   (Amended) An information processing apparatus comprising:

a)   encoding means for error detection or correction encoding information to be distributed in a description format used in a multimedia network,

said encoding means error detection or correction encoding at least a portion in a header in the information to be distributed with higher redundancy than an entity in the information to be distributed, wherein the information to be distributed is information of a _(claim 4)_ Markup language format; and

b)   transmission means for multiplexing the information to be distributed encoded by said encoding means in a broadcast signal, and transmitting the multiplexed signal.

8.   (Amended) An information processing apparatus comprising:

a)   input means for inputting information to be distributed in a description

format used in a multimedia network, wherein the information to be distributed is information of   *claim*
(74)

a Markup language format; and

b)   transmission means for multiplexing the information to be distributed in a

broadcast signal and transmitting the multiplexed signal,

a portion of a header in the information to be distributed being transmitted at least

a plurality of number of times while an entity in the information to be distributed is transmitted.

12.   (Amended) An information processing apparatus comprising:

a)   encoding means for error detection or correction encoding information to

be distributed in a description format used in a multimedia network, wherein the information to

be distributed is information of a Markup language format; and

b)   transmission means for multiplexing the information to be distributed

encoded by said encoding means in a broadcast signal, and transmitting the multiplexed signal,

a plurality of kinds of information being able to be transmitted as an entity in the

information to be distributed, and said encoding means using different error detection or

correction ability in correspondence with the kind of information.

15.   (Amended) An information processing apparatus comprising:

a)   input means for inputting information to be distributed in a description

format used in a multimedia network, wherein the information to be distributed is information of

a Markup language format; and

b)   transmission means for multiplexing the information to be distributed in a

broadcast signal and transmitting the multiplexed signal,

the information to be distributed being transmitted as an entity in a data format

used for multiplexing another information in a description format, which is not used in the

multimedia network, in an FM audio signal, the data format forming an error correction code,

and a header of the information to be distributed forming an error correction code different from

the error correction code.

18.   (Amended) An information processing method comprising the steps of:

error detection or correction encoding information to be distributed in a

description format used in a multimedia network, at least a portion in a header in the information

to be distributed being error detection or correction encoded with higher redundancy than an

entity in the information to be distributed, wherein the information to be distributed is

information of a Markup language format; and

multiplexing the encoded information to be distributed in a broadcast signal, and

transmitting the multiplexed signal.

19.   (Amended) An information processing method comprising the steps of:

inputting information to be distributed in a description format used in a

multimedia network, wherein the information to be distributed is information of a Markup

language format; and

multiplexing the information to be distributed in a broadcast signal and

transmitting the multiplexed signal, a portion of a header in the information to be distributed

being transmitted at least a plurality of number of times while an entity in the information to be

distributed is transmitted.

20.   (Amended) An information processing method comprising the steps of:

error detection or correction encoding information to be distributed in a

description format used in a multimedia network, wherein the information to be distributed is

information of a Markup language format; and

multiplexing the encoded information to be distributed in a broadcast signal, and

transmitting the multiplexed signal, a plurality of kinds of information being able to be

transmitted as an entity in the information to be distributed, and different error detection or

correction ability being used in correspondence with the kind of information.

21.   (Amended) An information processing method comprising the steps of:

inputting information to be distributed in a description format used in a

multimedia network, wherein the information to be distributed is information of a Markup

language format; and

multiplexing the information to be distributed in a broadcast signal and

transmitting the multiplexed signal,

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the information to be distributed being transmitted as an entity in a data format

used for multiplexing another information in a description format, which is not used in the

multimedia network, in an FM audio signal, the data format forming an error correction code,

and a header of the information to be distributed forming an error correction code different from

the error correction code.

22.   (Amended) An information processing apparatus comprising;

a)   reception means for receiving a broadcast signal obtained by multiplexing

information to be distributed in a description format used in a multimedia network and an error

correction or detection check code added for at least partial information of the information to be

distributed, as an entity of a data format which is used for multiplexing predetermined

information in an FM audio signal and includes an error correction check code, wherein the

information to be distributed is information of a Markup language format; and

b)   processing means for performing error correction or detection processing

of the information to be distributed using the error correction check code and the error correction

or detection check code,

said processing means executing processing based on the error correction check

code and processing based on the error correction or detection check code at different timings.

30.   (Amended) An information processing apparatus comprising:

a)   reception means for receiving a broadcast signal obtained by multiplexing

information to be distributed in a description format, used in a multimedia network, as an entity

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of a data format used for multiplexing predetermined information in an FM audio signal, wherein the information to be distributed is information of a Markup language format;

      b)   storage means for storing the information to be distributed; and

      c)   informing means for informing that the received information to be distributed is stored in said storage means and has not been [output] outputted to an external device.

      35.   (Amended) An information processing apparatus comprising:

      a)   reception means for receiving a broadcast signal obtained by multiplexing information to be distributed in a description format, used in a multimedia network, as an entity of a data format used for multiplexing character information in an FM audio signal, wherein the information to be distributed is information of a Markup language format;

      b)   storage means for storing the information to be distributed; and

      c)   operation means capable of executing a command for displaying information stored in said storage means, and a command for outputting the stored information to an external device, at different timings.

      38.   (Amended) An information processing method comprising the steps of:

      receiving a broadcast signal obtained by multiplexing information to be distributed in a description format used in a multimedia network and an error correction or detection check code added for at least partial information of the information to be distributed, as an entity of a data format which is used for multiplexing predetermined information in an FM

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audio signal and includes an error correction check code, wherein the information to be

distributed is information of a Markup language format; and

performing error correction or detection processing of the information to be

distributed using the error correction check code and the error correction or detection check

code,

the processing based on the error correction check code and processing based on

the error correction or detection check code being executed at different timings.

39.   (Amended) An information processing method comprising the steps of:

receiving a broadcast signal obtained by multiplexing information to be

distributed in a description format, used in a multimedia network, as an entity of a data format

used for multiplexing predetermined information in an FM audio signal, wherein the information

to be distributed is information of a Markup language format;

storing the information to be distributed in storage means; and

informing that the received information to be distributed is stored in the storage

means and has not been output to an external device.

41.   (Amended) An information processing method comprising the steps of:

receiving a broadcast signal obtained by multiplexing information to be

distributed in a description format, used in a multimedia network, as an entity of a data format

used for multiplexing character information in an FM audio signal, wherein the information to be

distributed is information of a Markup language format;

storing the information to be distributed in storage means; and

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executing a command for displaying information stored in the storage means, and

a command for outputting the stored information to an external device, at different timings.

42.   (Amended) An information processing apparatus comprising:

a)   input means for inputting information data, and a check code for

correcting an error of the information data, wherein the information data is information of a

Markup language format;

b)   detection means for detecting an error state of the information data;

c)   setting means for setting an allowable error state of the information data;

and

d)   control means for controlling processing for the information data input by

said input means in accordance with outputs from said setting means and said detection means.

48.   (Amended) An information processing method comprising the steps of:

inputting information data, and a check code for correcting an error of the

information data, wherein the information data is information of a Markup language format;

detecting an error state of the information data;

setting an allowable error state of the information data; and

controlling processing for the input information data in accordance with results in

the setting step and the detection step.

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